

DRINKING WATER SYSTEM ANNUAL REPORT
Reporting Period: January 1st to December 31st, (year)

Water System
Water System Owner
Primary Contact Name (Operator or Manager)

Phone Number (Operator or Manager)

E-mail (Operator or Manager)

DESCRIBE YOUR WATER SUPPLY SYSTEM
What is the Source(s) of Raw Water?
☐ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection?
☐ Yes ☐ No

☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection?
☐ Yes ☐ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration?
☐ Yes ☐ No

Check all boxes that apply

☐ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☐ Other

If other, specify details:

PUBLIC REPORTING
Emergency Response & Contingency Plan (ERCP)
Is your ERCP up to Date? ☐ Yes ☐ No

How do you Inform the System Users of the ERCP?
☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details) CVRD Engineering Services, 175 Ingram Street, Duncan, BC

Drinking Water System Annual Report
How do you Inform the System Users of the Annual Report?
☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions of your Operating Permit (Contact the DWO for a copy if needed):

Are you in compliance with your Operating Permit?

☐ Yes

☐ No

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period?

What is the minimum required sampling frequency for this system? (#samples/month)

Additional sampling details:

Was the minimum required sampling frequency achieved?

☐ Yes

☐ No

Comments:

Bacteriological summary attached to this report?

☐ Yes

☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☐ Yes ☐ No

If no, when were the last chemical samples conducted for this system? (date) ☐ Don't know

If yes, attach a list of the chemical results

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Next scheduled full chemical test (date)

Parameter	Result	Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☐ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☐ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.).

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period?

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements?

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

Click here to enter a date.

DATE COMPLETED:

COMPLETED BY:



CARLTON WATER SYSTEM

Facility Location	Facility Information	
175 Ingram Street Cobble Hill	Facility Type	15-300 (DWC)

Facility Sampling History

Location	Date	Total Coliform	E. Coli
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	15-Dec-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	9-Dec-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	9-Dec-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	30-Nov-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	24-Nov-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	17-Nov-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	4-Nov-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	28-Oct-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	19-Oct-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	14-Oct-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	6-Oct-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	29-Sep-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	22-Sep-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	15-Sep-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	9-Sep-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	1-Sep-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	25-Aug-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	19-Aug-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	11-Aug-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	4-Aug-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	28-Jul-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	21-Jul-2020	LT1	LT1



S-3 Water Treatment, S-3 Water Treatment	14-Jul-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	7-Jul-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	29-Jun-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	23-Jun-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	16-Jun-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	9-Jun-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	1-Jun-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	26-May-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	20-May-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	12-May-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	5-May-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	28-Apr-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	21-Apr-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	15-Apr-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	7-Apr-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	31-Mar-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	24-Mar-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	17-Mar-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	10-Mar-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	2-Mar-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	25-Feb-2020	LT1	LT1
S-3 Water Treatment, S-3 Water Treatment	19-Feb-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	11-Feb-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	4-Feb-2020	LT1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	28-Jan-2020	LT1	LT1
S-2 1380 Carlton Drive, S-2 1380 Carlton Drive	20-Jan-2020	L1	LT1
S-1 1264 Carlton Drive, S-1 1264 Carlton Drive	14-Jan-2020	L1	L1
S-3 Water Treatment, S-3 Water Treatment	7-Jan-2020	L1	L1

Alkalinity (total, as CaCO ₃)		Sampling Point Name	Criteria	
11/10/2020	105 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Aluminum (total)		Sampling Point Name	Criteria	
11/10/2020	0.005 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.1	Operational - Conventional
Ammonia (total, as N)		Sampling Point Name	Criteria	
11/10/2020	< 0.01 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Antimony (total)		Sampling Point Name	Criteria	
11/10/2020	0.0009 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.006	MAC
Arsenic (total)		Sampling Point Name	Criteria	
11/10/2020	0.0081 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.010	MAC
Barium (total)		Sampling Point Name	Criteria	
11/10/2020	0.0007 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=2.0	MAC
Beryllium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.00005 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Boron (total)		Sampling Point Name	Criteria	
11/10/2020	0.495 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=5	MAC
Bromide		Sampling Point Name	Criteria	
11/10/2020	< 0.05 mg/L	S-4 1365 Carlton Dr-Raw water primary well		

Cadmium (total)		Sampling Point Name	Criteria	
11/10/2020	0.00001 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.005	MAC
Calcium (total)		Sampling Point Name	Criteria	
11/10/2020	35.5 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Chloride		Sampling Point Name	Criteria	
11/10/2020	11.6 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=250	AO
Chromium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.0005 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.05	MAC
Cobalt (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.00005 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Colour		Sampling Point Name	Criteria	
11/10/2020	< 5 TCU	S-4 1365 Carlton Dr-Raw water primary well	<=15	AO
Conductivity		Sampling Point Name	Criteria	
11/10/2020	276 uS/cm	S-4 1365 Carlton Dr-Raw water primary well		
Copper (total)		Sampling Point Name	Criteria	
11/10/2020	0.0026 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=1.0	AO
Escherichia coli / E. coli (counts)		Sampling Point Name	Criteria	
11/10/2020	< 1 counts/100ml	S-4 1365 Carlton Dr-Raw water primary well	<=0, P	Microbiological Standard

Fecal (thermal tolerant) Coliforms (counts)		Sampling Point Name	Criteria	
11/10/2020	< 1 counts/100ml	S-4 1365 Carlton Dr-Raw water primary well	<=0, OG	Microbiological Standard
Fluoride		Sampling Point Name	Criteria	
11/10/2020	< 0.02 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=1.5	MAC
Hardness (total, as CaCO3)		Sampling Point Name	Criteria	
11/10/2020	131 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Heterotrophic Plate Count / HPC		Sampling Point Name	Criteria	
11/10/2020	< 200 CFU/100ml	S-4 1365 Carlton Dr-Raw water primary well	<=500	User-Defined
Hydroxide (as OH)		Sampling Point Name	Criteria	
11/10/2020	< 1 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Iron (total)		Sampling Point Name	Criteria	
11/10/2020	0.01 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.3	AO
Iron Bacteria (counts)		Sampling Point Name	Criteria	
11/10/2020	< 1 CFU/ml	S-4 1365 Carlton Dr-Raw water primary well		
11/10/2020	ND CFU/ml	S-4 1365 Carlton Dr-Raw water primary well		
Langelier Index		Sampling Point Name	Criteria	
11/10/2020	0.15	S-4 1365 Carlton Dr-Raw water primary well		
Lead (total)		Sampling Point Name	Criteria	
11/10/2020	0.00049 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.005	MAC

Lithium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.0005 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Magnesium (total)		Sampling Point Name	Criteria	
11/10/2020	10.4 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Manganese (total)		Sampling Point Name	Criteria	
11/10/2020	0.003 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.12	MAC
Mercury (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.00001 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.001	MAC
Molybdenum (total)		Sampling Point Name	Criteria	
11/10/2020	0.0007 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Nickel (total)		Sampling Point Name	Criteria	
11/10/2020	0.0006 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Nitrate (as N)		Sampling Point Name	Criteria	
11/10/2020	0.190 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=10	MAC
Nitrite (as N)		Sampling Point Name	Criteria	
11/10/2020	< 0.005 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=1	MAC
Nitrogen (total)		Sampling Point Name	Criteria	
11/10/2020	0.10 mg/L	S-4 1365 Carlton Dr-Raw water primary well		

pH		Sampling Point Name	Criteria	
11/10/2020	8.05 %	S-4 1365 Carlton Dr-Raw water primary well		
Potassium (total)		Sampling Point Name	Criteria	
11/10/2020	0.1 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Selenium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.0005 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.05	MAC
Silver (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.0001 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Sodium (total)		Sampling Point Name	Criteria	
11/10/2020	8.5 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=200	AO
Strontium (total)		Sampling Point Name	Criteria	
11/10/2020	0.297 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Sulfate Reducing Bacteria		Sampling Point Name	Criteria	
11/10/2020	< 1 CFU/ml	S-4 1365 Carlton Dr-Raw water primary well		
11/10/2020	ND CFU/ml	S-4 1365 Carlton Dr-Raw water primary well		
Sulphate		Sampling Point Name	Criteria	
11/10/2020	20.3 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=500	AO
Sulphide (total, as S)		Sampling Point Name	Criteria	
11/10/2020	0.02 mg/L	S-4 1365 Carlton Dr-Raw water primary well		

Tannins and Lignins		Sampling Point Name	Criteria	
11/10/2020	< 0.1 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Thallium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.00002 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Tin (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.00005 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Titanium (total)		Sampling Point Name	Criteria	
11/10/2020	< 0.001 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Total Coliforms (counts)		Sampling Point Name	Criteria	
11/10/2020	< 1 counts/100ml	S-4 1365 Carlton Dr-Raw water primary well	<=0, OG	User-Defined
Total Dissolved Solids / TDS		Sampling Point Name	Criteria	
11/10/2020	175 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=500	AO
Total Kjeldahl Nitrogen / TKN		Sampling Point Name	Criteria	
11/10/2020	< 0.05 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Total Organic Carbon / TOC		Sampling Point Name	Criteria	
11/10/2020	< 0.5 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Tungsten (total)		Sampling Point Name	Criteria	
11/10/2020	0.0001 mg/L	S-4 1365 Carlton Dr-Raw water primary well		

Turbidity		Sampling Point Name	Criteria	
11/10/2020	0.2 NTU	S-4 1365 Carlton Dr-Raw water primary well	<=5	User-Defined
Uranium (total)		Sampling Point Name	Criteria	
11/10/2020	0.00001 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=0.02	MAC
Vanadium (total)		Sampling Point Name	Criteria	
11/10/2020	0.001 mg/L	S-4 1365 Carlton Dr-Raw water primary well		
Zinc (total)		Sampling Point Name	Criteria	
11/10/2020	0.037 mg/L	S-4 1365 Carlton Dr-Raw water primary well	<=5	AO

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no,
 TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

*** Indicates Criteria is exceeded**